

CSC110AA – Class 24926 – Fall 2014  
Introduction to Computer Science (Java)  
Chandler-Gilbert Community College  
Pecos Campus Cholla Hall Room CHO104  
August 27, 2014 to December 17, 2014  
Wednesday, 4:00 P.M. – 6:40 P.M.

## SYLLABUS

Instructor: Phillip Jalowiec  
[phillip@jalowiec.org](mailto:phillip@jalowiec.org)  
Work Phone: (602) 953-9400  
Cell Phone: (602) 621-0659  
<http://www.jalowiec.org/phillip/cgc/csc110aa>  
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Text: Java Foundations: Introduction to Program Design & Data Structures. 3rd Edition.  
Lewis, DePasquale, and Chase, 2014, Pearson Addison Wesley, ISBN: 0-13-337046-1  
Software: Java JDK, Eclipse IDE for Java Developers, Adobe Acrobat Reader

### COURSE DESCRIPTION

Concepts of problem solving, structured and object-oriented programming in Java, fundamental algorithms and techniques and computer system concepts. Social and ethical responsibilities. Intended for Computer Science and Computer Systems Engineering Majors. Prerequisites: MAT120, or MAT121, or MAT122 or permission of instructor.

Official Course Information at: <https://aztransmac2.asu.edu/cgi-bin/WebObjects/acres.woa/wa/freeForm2?id=50448>

### COURSE OUTLINE SUMMARY

- I. Problem Solving: Requirements, Analysis, Design, Implementation
- II. Java Programming: Programming Structures, Data types and structures, Object-Oriented Programming
- III. User Interfaces: Console and Graphical

### COURSE WORK

**Weekly** course work includes reading, quizzes, review, activities, exercises and projects.

**Tests** include exams, checks, and quizzes. Tests are cumulative.

**Exercises and Projects** involve the hands-on application of the course material to solve problems and will involve significant work outside of scheduled class time.

<u>GRADING</u>	<u>Points</u>	<u>Activity</u>	<u>Grade</u>	<u>Total Points</u>
	590	Exams / Checks / Quizzes	A	850-1000
	290	Exercises / Projects	B	750-849
	80	Attendance	C	650-749
	<u>40</u>	Surveys / Activities	D	550-649
	1000		F	0-549

### CLASS PROCEDURES

Each class consists of questions, lecture, demonstration, and hands-on lab activities. The student is responsible for reading, review and additional work outside of class to complete assignments and prepare for tests.

**Reading** should be completed prior to the class period in which the material will be covered.

**Quizzes** must be submitted prior to the class period in which the material will be covered.

**Exercises and Projects** must be submitted prior to 4:00 P.M. of the day due. Late submissions are not accepted.

**Exams** are closed book. If you must miss an exam, you must contact the instructor before the exam to be eligible for a make-up exam. Reasonable arrangements will be made for a substitute exam.

**Checks** are short exams administered with or without notice. No makeup Checks.

**Attendance** is a direct part of your grade and will affect your ability to effectively complete course work.

**Assignment Assistance** should be sought from the instructor or a CGC tutor. General questions may be asked on the Canvas Discussion Board for this course. A student posting questions about assignments in any online forum other than Canvas will receive a 0 for that assignment.

**Posting of Course Material or Assignment Source Code** by a student except to submit an assignment will result in a 0 for the related assignment and a deduction of 100 points from their accumulated points per incident.

**Direct Use of Posted Source Code** by a student in an assignment will result in a 0 for the related assignment and a deduction of 100 points from their accumulated points per incident.

**Recording** of classes is not permitted.

**Withdrawals** are subject to current college policy. The instructor may initiate the withdrawal of a student from the class after two unexcused absences or two unexcused failures to submit assignments.

Students are subject to and must comply with **college policies** found in the College Catalog and Student Handbook.

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### COURSE OUTLINE AND ASSIGNMENTS

WK	DATE	TOPIC(s)	READING	ASSIGNMENT	DUE
1	08/27	Introduction	Ch. 1 ++	X01	Online 09/03
2	09/03	Data and Expressions	Ch. 2 ++	X02	Online 09/10
3	09/10	Input and Output	Ch. 3 ++	X03	Online 09/17
4	09/17	Conditionals	Ch. 4 ++	X04	Online 10/01
5	09/24	<b>No Class</b>			
6	10/01	Loops	Ch. 4 ++	X05	Online 10/08
7	10/08	Using Classes	++	X06	Online 10/15
8	10/15	<b>Exam 1</b>			<b>In Class</b>
9	10/22	Writing Classes	Ch. 5 ++	X07	Online 10/29
10	10/29	Arrays and Collections	Ch. 7 ++	X08	Online 11/05
11	11/05	Getting and Using Data	++	X09 Project 1	Online 11/12 Online 11/26
12	11/12	<b>Exam 2</b> Exceptions	Ch. 10 ++	X10	<b>In Class</b> Online 11/19
13	11/19	Inheritance	Ch. 8 ++	X11	Online 11/26
14	11/26	GUI	Ch. 6 ++	X12 Project 2	Online 12/03 Online 12/14
15	12/03	<b>Exam 3</b> Polymorphism	Ch. 9 ++	X13	<b>In Class</b> Online 12/10
16	12/10	Ethics Review			
17	12/17	<b>Final Exam</b>			<b>In Class</b>

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### **Statement Regarding Internet and Computer Usage**

Internet and computer usage is for class assignments and related research **only!** Inappropriate use of the Internet or computers is subject to loss of privileges, class withdrawal and other disciplinary action.

### **Statement Regarding Outcomes and Assessment**

The faculty and programs at CGCC are dedicated to effective teaching and successful learning with emphasis in the following areas: communication, critical thinking, literacy, and personal development.

Periodically, students will participate in formal and informal assessment activities that will help faculty improve programs and teaching strategies. These activities are designed to facilitate student growth in whatever combination of the above outcomes applies to a course.

### **Statement Regarding Students with Disabilities**

Students with disabilities are required to register for services in the Disability Resources and Services (DRS) office in the Student Center at the beginning of the semester. Do not wait to visit the DRS office if you want support with any CGCC classes.

The DRS office will meet with you to determine accommodations based on appropriate documentation. Therefore, faculty members are not authorized to provide or approve any accommodations for students in this class without written instructions from the DRS office. This must be on file before any accommodation will be provided. You can contact the DRS office at (480) 857-5188 or through [www.cgc.maricopa.edu/Students/DisabilityServices](http://www.cgc.maricopa.edu/Students/DisabilityServices) and [www.maricopa.edu/disab/](http://www.maricopa.edu/disab/).

### **Statement Concerning Plagiarism**

Plagiarism is defined as presenting the work of another as one's own. More than four consecutive words from a source other than the writer constitute plagiarism when the source is not clearly identified in appropriate documentation format.

From the *CGCC Student Handbook*:

"Plagiarism includes, but is not limited to, the use of paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgement. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials."

### **Information on Student Information Systems**

The Student Center for information services can be accessed at [my.maricopa.edu](http://my.maricopa.edu) and provides access to finding and enrolling in classes, viewing your schedule and grades, viewing charges and making payments and maintaining your contact information. Accessing the Student Center requires your Maricopa Enterprise ID and password that can be established or retrieved at [eims.maricopa.edu/MAW/maw.html](http://eims.maricopa.edu/MAW/maw.html). Finding classes at any or all of the colleges in the Maricopa District can be done at [classes.sis.maricopa.edu/](http://classes.sis.maricopa.edu/)

### **Information on Maricopa Student Email**

The Maricopa Community College District provides every student with Google-powered Maricopa Student Email upon enrollment. This official student email is used to send information concerning class enrollment, financial aid, tuition, and other important student information. Students **must** activate this email account in order to receive these messages. Activate your Maricopa Student Email at [google.maricopa.edu](http://google.maricopa.edu).

### **Information on CGCC Alert System**

The CGCC Alert system utilizes text messaging and email to notify students of emergency situations on or around campus. Students should update their contact information in the Student Center at [my.maricopa.edu](http://my.maricopa.edu) in order to receive a CGCC Alert notification in the event of an emergency.

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### **Information on Computer Lab**

The CGCC Computer Lab, located in BRD Building, Room BRD123, is available to currently enrolled students. Specific hours of operation, detailed policies and procedures, installed software and additional information may be obtained from the website at [www.cgc.edu/cic/](http://www.cgc.edu/cic/) or by calling (480) 732-7221.

### **Information on Canvas Online Learning Management Systems (LMS)**

Canvas is an online learning management systems (LMS) that provides instructors with web-based resources to easily post course information, syllabi, and course documents. Additionally, you can use the LMS to create discussion boards and assessments and to manage and post grades online. This content is accessible to students and faculty anytime and anywhere an internet connection is available.

Canvas courses, online assistance, and the calendar of workshops and open labs can be requested from Tech Central via Inside at <https://inside.cgc.maricopa.edu/Pages/Default.aspx>.

### **Information on Learning Center**

The CGCC Learning Center's mission is to support student's academic learning by providing free tutoring and resources to reinforce and supplement classroom instruction and to assist CGCC students to achieve academic success. All Learning Center services are free to students currently enrolled at Chandler-Gilbert Community College. The Learning Center is located on the second floor of the Library, rooms LIB227, LIB228, LIB229 and LIB237. The Learning Center also provides instructional support resources in the form of videotapes, software, and print materials. For a schedule of tutoring hours, additional information or assistance, contact the Learning Center at (480) 732-7231, or visit the website at [www.cgc.edu/lc](http://www.cgc.edu/lc).

### **Information on Learning Center's Smarthinking**

Students enrolled in select CGCC online and/or hybrid courses also have access to Smarthinking online tutoring services. Students should be aware that instructors and Learning Center staff may receive reports from [smarthinking.com](http://smarthinking.com) concerning content submitted, feedback, and usage. Some report information is compiled anonymously from all visits of all students of a section; some information is specific and identifies the student, his/her submission, and the tutor comments received. Online and hybrid students are encouraged to take advantage of face to face tutoring as well. For information on how to access Smarthinking visit our website at <http://www.cgc.edu/lc/onlinetutoring>.

### **Student Pay2Print**

All CGCC students must pay for printing in the college computer labs and libraries. Registered students will receive their first 50 prints at no charge. Thereafter, black and white print costs will be 10 cents per print. Pre-paid printing accounts can be set up in the CGCC Cashier's Office. For more information, contact the CGCC Cashier's Office at (480) 732-7312.

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### **SYLLABUS ACKNOWLEDGMENT**

**I have received a copy of the course syllabus and I understand the following:**

- A. The instructor contact information and the most appropriate way to use this information.
- B. I am responsible for all course material and preparation for class.
- C. All the policies and procedures for this course especially the Grading, Attendance and Withdrawal Policies. As well as the policy for Taking and Missing Tests and the policy for Late Work.
- D. I am responsible for knowing all the information that pertains to my legal rights that are contained in the current CGCC Student Handbook and College Catalog.
- E. In order to receive any special accommodations for this class I must register myself with the CGCC Disability Resource Center.
- F. The class syllabus is subject to change and it is my responsibility to know the changes.

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Student Printed Name

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Student Signature

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Date